

IN THE CLAIMS:

Please amend claims 19-30 as follows.

1-18. (Cancelled).

19. (Currently Amended) A method, comprising: ~~for data transmission in a cellular telecommunication system, in which system~~

transmitting data ~~are transmitted~~ in units of bursts, each burst occupying a time slot ~~(TS[j])~~ of one of consecutive frames ~~(F[i])~~, each respective frame comprising a predetermined number n of time slots, within a each time slot ~~(TS[j])~~ of each frame ~~(F[i])~~, data can be transmitted between a first transceiver device and a respective one of a plurality of second transceiver devices either in a first transmission direction from said first transceiver device to said respective second transceiver device or in a second transmission direction from said respective second transceiver device to said first transceiver device, said second transmission direction is opposite to a transmission direction ~~in~~ of another time slot of the same frame ~~(F[i])~~ in which data is transmitted between said first transceiver device and another one of said second transceiver devices, wherein

transmission in said first direction occurs in predetermined and fixed time slots ~~(TS[j])~~ in each of consecutive frames ~~(F[i], F[i+1])~~, and

transmission in said second direction occurs in different time slots ($Ts[k]$, $Ts[l]$) in each of consecutive frames ($F[i]$, $F[i+1]$), wherein

in said second direction (UL), during a first frame ($F[i]$) of consecutive frames respective second transceiver devices perform transmission to said first transceiver device during a an assigned transmission k^{th} time slot ($TS[k]$) ~~assigned thereto for transmission~~, and

during a subsequent second frame ($F[i+1]$) of said consecutive frames, respective second transceiver devices perform transmission to said first transceiver device during a different assigned transmission l^{th} time slot ($TS[l]$) ~~assigned thereto for transmission~~,

with $0 \leq k, l \leq n-1$ and $k \neq l$.

20. (Currently Amended) A method, comprising: ~~for data transmission in a cellular telecommunication system, in which system~~

transmitting data are transmitted in units of bursts, each burst occupying a time slot ($TS[j]$) of one of consecutive frames ($F[i]$), each respective frame comprising a predetermined number n of time slots, wherein within ~~a~~ each time slot ($TS[j]$) of each frame ($F[i]$), data can be transmitted between a first transceiver device and a respective one of a plurality of second transceiver devices either in a first transmission direction from said first transceiver device to said respective second transceiver device or in a second transmission direction from said respective second transceiver device to said first

transceiver device, said second transmission direction is opposite to a transmission direction ~~in~~ of another time slot of the same frame ~~(F[i])~~ in which data is transmitted between said first transceiver device and another one of said second transceiver devices, wherein

transmission in said first direction occurs in different time slots ~~(Ts[k], Ts[l])~~ in each of consecutive frames ~~(F[i], F[i+1])~~, and

transmission in said second direction occurs in predetermined and fixed time slots ~~(TS[j])~~ in each of consecutive frames ~~(F[i], F[i+1])~~, wherein

in said first direction during a first frame ~~(F[i])~~ of consecutive frames

respective first transceiver devices perform transmission to said second transceiver device during ~~a~~ an assigned transmission k^{th} time slot ~~(TS[k]) assigned thereto for transmission,~~ and

during a subsequent second frame ~~(F[i+1])~~ of said consecutive frames,

respective first transceiver devices perform transmission to said second transceiver device during a different assigned transmission l^{th} time slot ~~(TS[l]) assigned thereto for transmission,~~

with $0 \leq k, l \leq n-1$ and $k \neq l$.

21. (Currently Amended) ~~A~~The ~~method for data transmission in a cellular telecommunication system~~ according to claim 19, wherein transmission between said first transceiver device and respective second transceiver devices occurs in said first direction,

in a first number of different time slots, and in said second direction, in a second number of different time slots, said first and said second number being ~~chosen~~ selected such that the sum of said first and second number is less or equal to the number n of time slots within a frame.

22. (Currently Amended) ~~A~~The ~~method for data transmission in a cellular telecommunication system~~ according to claim 19, wherein frames are transmitted using a frequency of available frequencies, and the used frequency is selectively changed.

23. (Currently Amended) ~~A~~The ~~method for data transmission in a cellular telecommunication system~~ according to claim 19, wherein the frames are defined according to TDMA standard.

24. (Currently Amended) ~~A~~The ~~method for data transmission in a cellular telecommunication system~~ according to claim 19, wherein within each TDMA time slot code division can be applied between users.

25. (Currently Amended) ~~A~~The ~~radio transceiver device adapted to operate according to the method as defined in~~ according to claim 19, ~~wherein either as said first transceiver device or as one or more of said second transceiver device~~ wherein either as said first transceiver device or as one or more of said second transceiver devices are a radio transceiver device.

26. (Currently Amended) A method ~~for data transmission in a cellular telecommunications system~~ according to claim 20, wherein transmission between said first transceiver device and respective second transceiver devices occurs in said first direction, in a first number of different time slots, and in said second direction, in a second number of different time slots, said first and said second number being ~~chosen~~ selected such that the sum of said first and second number is less or equal to the number n of time slots with a frame.

27. (Currently Amended) A method ~~for data transmission in a cellular telecommunication system~~ according to claim 20, wherein frames are transmitted using a frequency of available frequencies, and the used frequency is selectively changed.

28. (Currently Amended) A method ~~for data transmission in a cellular telecommunication system~~ according to claim 20, wherein the frames are defined according to TDMA standard.

29. (Currently Amended) A method ~~for data transmission in a cellular telecommunication system~~ according to claim 20, wherein within each TDMA time slot code division can be applied between users.

30. (Currently Amended) ~~The~~A radio transceiver device adapted to operate according to the method as defined in claim 20, wherein either as said first transceiver or one or more of said ~~as second transceiver-device~~ devices are a radio transceiver device.